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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Oded Golan

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EXAMINER

NGUYEN, LONG P

ART UNIT

PAPER NUMBER

2616

MAIL DATE

DELIVERY MODE

06/05/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/619,900	Applicant(s) GOLAN ET AL.	
	Examiner Long P. Nguyen	Art Unit 2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☒ Claim(s) 9 and 13 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) <u> </u> | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Objections

1. Claim 13 is objected to because of the following informalities: Claim 13 is dependent on itself. The examiner interpret claim 13 as being dependent on claim 12. Appropriate correction is required.

Specification

The disclosure is objected to because of the following informalities: Paragraph [0045] the applicant misspells "them" as "then". Appropriate correction is required.

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: The limitation "Fast Ethernet" and "Gigabit Ethernet".

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim 1-4, 6-15, 17-20, and 22-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Applicant's admitted prior art (hereinafter, AAPA).

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As for claim 1, ~~12~~, and ~~18~~, AAPA shows compensating for timing violations of a multiplex of at least two media packet streams, the system comprises: a transmitter **(Figure 1, #30)**, operable to receive the multiplex, to associate transmitter timing information to media packets that belong to the multiplex **[0015]**, and to transmit the media packets and the associated transmitter timing information towards a receiver **[0014]**, over a timing violation inducing communication channel **[0015]**; whereas the at least two media packet streams are associated with multiple time bases **(Figure 1, MPTS #31, [0018])**; and a receiver **(Figure 1 #50)**, operable to receive the transmitter timing information and the media packets **[0015]**, and to provide at least one timing violation compensated media packet stream in response to the transmitter timing information **[0015]**.

As for claim 2, 13, and 19, AAPA shows the system comprises a decoder for decoding the at least one timing violation compensated media packet stream **[0017]**.

As for claim 3, 14, and 20, AAPA shows the system wherein the transmitter comprises a transmitter time base generator for generating the transmitter timing information **[0017, TX PLL]**.

As for claim 4, 15, and 22, AAPA shows the system wherein the receiver comprises a phased lock loop (PLL, 56) for reconstructing the transmitter time base **[0017]**.

As for claim 6, and 23, AAPA shows wherein the transmitter is operable to encapsulate said media packets and the transmitter timing information in a communication channel format packets **[0015]**.

As for claim 7, and 24, AAPA shows wherein the communication channel format packets does not comprise RTP compliant headers (**Page 3 of Applicant Provisional application**).

As for claim 8, AAPA shows the system wherein the transmitter is operable to include the transmitter timing information within a communication channel format packet header **[0015]**.

As for claim 9, and 25, AAPA shows The system according to claim 1 wherein the timing violation inducing communication channel is capable of conveying packets that are compliant with at least one communication protocol that is selected from the list consisting of: RTP **[0012]**.

As for claim 10, and 17, AAPA shows wherein the receiver comprises: a receiving end communication interface (**Figure 1, #50**), connected to a splicer (**Figure 1, #54**), wherein said receiving end communication interface receives said communication channel format packets from the timing violation inducing communication channel **[0015]**, wherein said receiving end communication interface provides said communication channel format packets to said splicer **[0019]**; and wherein the splicer is capable of extracting the transmitter timestamp and to provide it to a receiver PLL **[0020]** and of extracting the media packets **[0020]**.

As for claim 11 and 26, AAPA shows the system wherein at least one media stream packet is MPEG compliant **[0016]**.

As for claim 12, AAPA shows reducing jitter of a multiple program transport stream, the system comprises: a transmitter (**Figure 1, #30**), operable to receive the multiple program transport stream from a low jitter communication channel **[0015]**, to associate a transmitter timing information to the packets of the multiple program transport stream **[0015]**, and to transmit the packets of the multiple program transport stream and the associated transmitter timing information over a high jitter communication channel towards a receiver **[0014] [0015]**; and a receiver (**Figure 1 #50**), coupled to the transmitter over the high jitter communication channel, the receiver is operable to receive the transmitter timing information and the packets of the multiple program transport stream **[0015]**, and to provide at least one low jittered program in response to the transmitter timing information **[0015]**.

As for claim 18, AAPA shows compensating for timing violations of a multiplex of at least two media packet streams, the method comprising the steps of: \

- (a) Receiving the multiplex (**Figure 1, #30**), **[0015]**;
- (b) Associating transmitter timing information to media packets that belong to the multiplex **[0015]**;
- (c) Transmitting the media packets and the associated transmitter timing information towards a receiver **[0014]**, over a timing violation inducing communication

channel **[0015]**; whereas the at least two media packet streams are associated with different time bases (**Figure 1, MPTS #31, [0018]**);

(d) Receiving the transmitter timing information and the media packets **[0015]**;
and

(e) Providing at least one timing violation compensated media packet stream in response to the transmitter timing information **[0015]**.

As for claim 27, AAPA shows wherein the multiplex is received over a low jitter communication channel **[0015]**.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 5, 16 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over AAPA in view of Romanowski (US 6,233,238).

As for claim 5, 16 and 21 AAPA shows wherein the transmitter time base generator is capable of generating a transmitter time base **[0018]**, But do not show without synchronizing to any to time bases associated with the media packet streams. However, Romanowski show without synchronizing to any to time bases associated

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with the media packet streams (**Col. 2, line 37-45 Note: finding the time difference is not the same as synchronization: To bring to the same level, rate or status, as in the synchronization of linked production resources to the same timing**). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the De-Jittering of AAPA with the timestamp generation of Romanowski in order to minimize the cost for synchronize with the PCR units for each program.

Conclusion

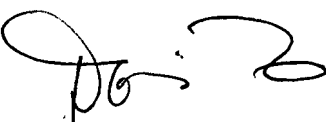
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Long P. Nguyen whose telephone number is (571)-272-9740. The examiner can normally be reached on Monday - Thursday 7:30 - 5:00 EST Alternate Friday 7:30-4:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on 571-272-7629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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